MICHIGAN MEDICINE
UNIVERSITY OF MICHIGAN
LABORATORIES

Test Update 977

Posted Date 11/04/2026
Effective Date 10/27/2026
Update Type Miscellaneous
CPT Code 88184, 88185 x2, 86352, 88185 x4

TEST CHANGE

CD107a Cytotoxic Lymphocyte Exocytosis Assay

Order Code:	CD107
Fee Code:	AA703, AA704 x2, AA705 (CPT 88184, 88185 x2, 86352)
Reference Lab:	Cincinnati Children's Hospital CBDI Lab LAB00726

New Order Code:	CLEA
New Fee Code:	AA703, AA704 x4 (CPT 88184, 88185 x4)
Reference Lab:	Cincinnati Children's Hospital CBDI Lab LAB00726

Effective October 27, 2026, Michigan Medicine Laboratories Sendout Lab Cincinnati Children's Hospital replaced their CD107a degranulation test with a new version, CD107a Cytotoxic Lymphocyte Exocytosis Assay **(CLEA).** This flow cytometric assay is intended to determine surface upregulation of CD107a as an indicator of degranulation of CD3-CD56+ natural killer (NK) cells after stimulation with K562 cells and anti-CD16-coated target cells.

New test changes are found below.

- New testing advantage: implementation of magnetic mononuclear cell isolation significantly reduces red blood cell contamination and increased cellular recovery.
- New test information: Degranulation is assessed by measuring CD107a upregulation on CD3-CD56+ natural killer (NK) cells and is reported as the percentage of CD107a positive and CD107a bright NK cells following stimulation with K562 cells and anti-CD16–coated target cells. Stimulation with K562 target cells assesses natural NK cell cytotoxic function, while stimulation with anti-CD16-coated targets evaluates antibody dependent cellular cytotoxicity (ADCC).

Specimen collection requirements remain the same.

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